SUBMITTAL AOUA96RLAVL

8 Ton Heat Pump Outdoor Unit - 208/230 VAC, 3-Phase, 60Hz
1X (AOUA96RLAVL)

Job Name
Location
Date
Engineer
Approval
Submitted To
Construction
Submitted By
Unit No
Reference

- Inverter driven compressor
- New style high power DC fan motor.
- Blue fin heat-exchanger (Corrosion resistance)
- 10 year Extended Warranty on parts and compressor. See Warranty Statement.
- Optional: Internet, BACnet, LonWorks, or Modbus communication.

### CAPACITY

- Nominal Cooling Capacity - BTU/h [kW]: 96,000 [28.1]
- Nominal Heating Capacity - BTU/h [kW]: 108,000 [31.7]
- Nominal Tonage - Ton(s): 8
- Maximum Connectable Indoor Units: 24
- Connectable Capacity: 50% to 150%

### OPERATING TEMPERATURES

- Operating Temp. Cooling (DB) - °F [°C]: 5 to 115 [-15 to 46]
- Operating Temp. Heating (DB) - °F [°C]: -4 to 70 [-20 to 21]

### EFFICIENCY

- EER Cooling (Ducted/Non Ducted): 11.6 / 11.6
- IEER Cooling (Ducted/Non Ducted): 23.1 / 21/1
- COP / High Heating 47°F (Ducted/Non Ducted): 3.87 / 3.66

### ELECTRICAL

- Electrical Power Requirements: 208/230 VAC, 3-Phase, 60Hz
  - Voltage Range: 187 to 253 VAC
  - Maximum Circuit Breaker - A: 40
  - Minimum Circuit Ampacity (MCA) - A: 39
  - Cooling Power Input - kW: 7.74 non-duct / 7.44 duct
  - Heating Power Input - kW: 7.59 non-duct / 7.73 duct
  - Maximum Starting Current (MSC) - A: 31.6
  - Compressor Capacity Control - Steps/Range: 951 / 20 - 115

### PIPING

- Max. Total Refrigerant Line Length - ft [m]: 3,280 [1,000]
- Max. Refrig. Line Length 1st Sep. tube & furthest IU - ft [m]: 295 [90]
- Max Height Diff. (OD & ID)(Upper/Lower) - ft [m]: 164/131 [50/40]
- Compressor Crankcase Heater - W: 2X 35
- Fan Motor - Full Load Amperage (FLA) - A: 1.4 + 0.9
- Pipe Connection Method: Liquid/Gas: Brazed
- Pipe Connection: Liquid - in [mm]: 3/8(9.52)
- Pipe Connection: Discharge Gas - in [mm]: 7/8 (22.22)
- Refrigerant Type: R410A
- Refrigerant Oil / Lubricant: FVC68D
- Refrigerant Charge - lbs [kg]: 25.79 [11.70]
- Compressor Type: Rotary Inverter

### SOUND

- Sound Pressure Levels (Cooling/Heating) - dB(A): 59 / 60

### WEIGHT

- Net Weight - lbs [kg]: 470 [213]
- Gross Weight - lbs [kg]: 511 [232]

### DIMENSIONS

- Dim.Net (HxWxD) - in [mm]: 64-1/2 × 42-1/2 × 18-7/8 [1,638 × 1,080 × 480]
- Dim.Gross (HxWxD) - in [mm]: 69-9/16 × 46-1/4 × 23-5/8 [1,767 × 1,174 × 600]

### CODE

- ETL: 3170288
- AHRI Certified: Standard 1230

Note: Specifications are based on the following conditions:
- Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.
- Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F (6.1°C) WB.
- Pipe length: 25ft. (7.5m), Height difference: DB (In). (Outdoor unit – indoor unit).

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DIMENSIONS

Unit: in (mm)

Top view

Front view

Side view

Rear view

Bottom view